

IN THE DRAWINGS:

In Fig. 6, please insert -- VGSET₂ -- on top of the page as shown in red in the corrected figure provided.

In Fig. 8, please insert -- CREATE COMMAND ENTERED -- after "START" in item 800;

please insert -- MIRRORING MAP -- before "NAME PROVIDED" in decision box 805;

please insert -- ERROR -- before "NAME IS NEEDED" in box 810;

please delete "SET" and insert -- MIRRORING MAP -- after "IN" in box 815;

please delete "SET" and insert -- MIRRORING MAP -- after "STORE" in box 820.

In Fig. 9, please insert -- DISPLAY COMMAND ENTERED -- after "START" in item 900;

please insert -- MIRRORING MAP -- before "NAME PROVIDED" in decision box 905;

please replace "NO" with -- YES -- above arrow going from decision box 905 to box 910;

please delete "SET" and insert -- MIRRORING MAP -- after "AND" in box 910;

please delete "SETS" and insert -- MIRRORING MAP -- after "AND" in box 915.

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REMARKS

The Examiner is thanked for the interview of March 23, 2005. Claims 1 - 20 are pending in the present Application. In the above-identified Office Action, the Examiner objected to the Specification and to Claim 6 due to some informalities. Claims 1 - 5 and 11 - 15 were rejected under 35 U.S.C. §102(e) as being anticipated by Taylor et al. Claims 6 - 10 and 16 - 20 were rejected under 35 U.S.C. §103(a) as being unpatentable over Taylor et al.

Applicants' attorney is not aware nor are the inventors aware of any prior art to the present invention.

Applicants have amended the Specification to include the Serial No. of the related Application. Incidentally, during the prosecution of the Related Application, numerous objections were made to the Specification as well as to the Drawings. Since both Applications share a common Specification and common Drawings, Applicants have, for the sake of consistency, incorporated the changes which were made to the Related Application into the present Application.

Consequently, Applicants request that the Drawing figures which were filed with the Application be replaced by the corrected figures which are also attached hereto. Changes to the figures are shown in RED in the copies attached hereto.

Applicants have amended Claim 6 to correct the informalities cited by the Examiner. Applicants have also

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amended Claims 1, 2, 6, 7, 11, 12, 16 and 17 to better claim the invention.

The independent claims (i.e., Claims 1, 6, 11 and 16) have been amended to include the mirroring map being an identification of one or more physical storage systems and one or more physical partitions in the one or more physical storage systems to use to store one or more copies of a piece of data. Support for this amendment can be found on page 3, lines 25 - 27.

The claims are further amended to include allowing different pieces of data to be used with the mirroring map when the name of the mirroring map is associated with the different pieces of data. Support for this phrase can be found on page 14, line 29 to page 15, line 1.

For the reasons stated more fully below, Applicants submit that the claims are allowable over the applied reference. Hence, reconsideration, allowance and passage to issue are respectfully requested.

Presently, each time a system administrator decides that a piece of data is to be mirrored, the administrator has to set up a mirroring map (i.e., identify the physical storage systems and the physical partitions in the physical storage systems that is to be used to store the copies of the data). This can be a rather tedious task, especially, if the computer system is already using a mirroring map similar to what the administrator intends to use.

The present invention allows existing mirroring maps to be used whenever applicable rather than requiring that a new mirroring map be defined for each piece of data being

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mirrored. In accordance with the teachings of the invention, when a mirroring map is created, it is given a name. The name is used to associate different pieces of data with the mirroring map. That is, different pieces of data may use an existing map when they are associated with the name of the mirroring map.

The invention is set forth in claims of varying scopes of which Claim 1 is illustrative.

1. A method of defining a mirroring map for use with different pieces of data, the mirroring map being an identification of one or more physical storage systems and one or more physical partitions in the one or more physical storage systems to use to store one or more copies of a piece of data, the method comprising the steps of:

creating the mirroring map;
naming the mirroring map; and
allowing different pieces of data to be used with the mirroring map when the name of the mirroring map is associated with the different pieces of data.
(Emphasis added.)

The Examiner rejected the claims under 35 U.S.C. §102(e) as being anticipated by Taylor et al. Applicants respectfully disagree.

Taylor et al. purport to teach a method and system for managing data migration for a storage system. In accordance with the teachings of Taylor et al., data sets are transferred from a first storage device to a second storage device, without blocking access to the data sets

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during the transfer. To do so, an intermediate device is used. The intermediate device comprises a plurality of communication interfaces and includes a first interface adapted for communication with the first storage device in which a data set is stored, a second interface adapted for communication with the second storage device, and a third interface adapted for communicating with a client processor.

Data transfer resources are coupled to the plurality interfaces and are used for transferring data access requests identifying the data set from the third interface to at least one of the first and second interfaces. A logic engine within the intermediate device is coupled to the first and second interfaces and is responsive to a control signal to manage the transfer of the data set through the first interface from the first storage device, and through the second interface to the second storage device without blocking the transfer data access requests from the client processor.

However, Taylor et al. do not teach, show or so much as suggest the steps of ***naming a mirroring map and of allowing different pieces of data to be used with the mirroring map when the name of the mirroring map is associated with the different pieces of data*** as claimed.

Therefore, Applicants submit that Claim 1, as well as its dependent claims, should be allowable. Independent Claims 6, 11 and 16, which all incorporate the above-emboldened-italicized limitations in the above-reproduced claim 1, together with their dependent claims should also

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be allowable. Hence, Applicants once more respectfully request reconsideration, allowance and passage to issue of the claims in the application.

Respectfully submitted,
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VGSET₂

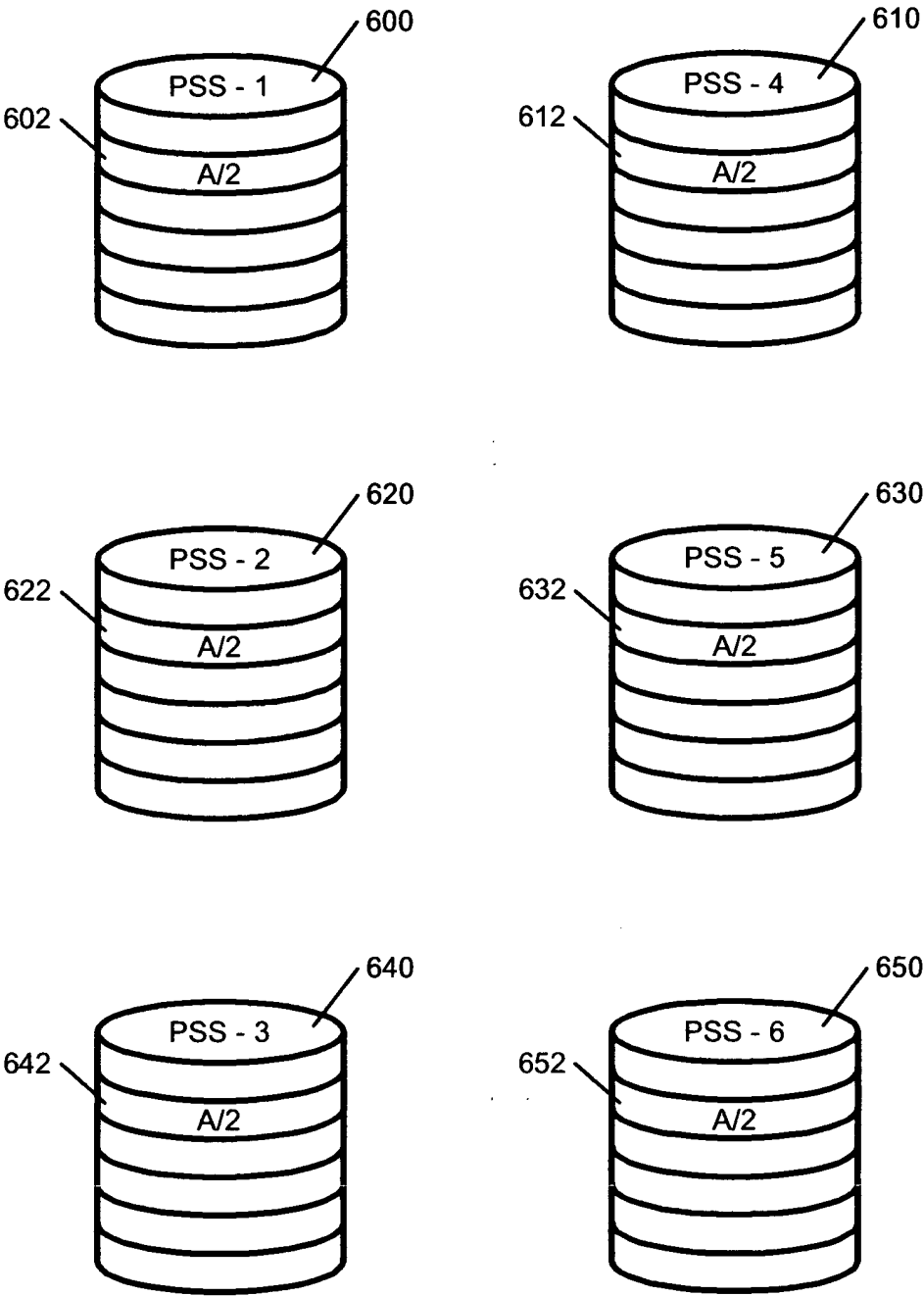


FIG. 6

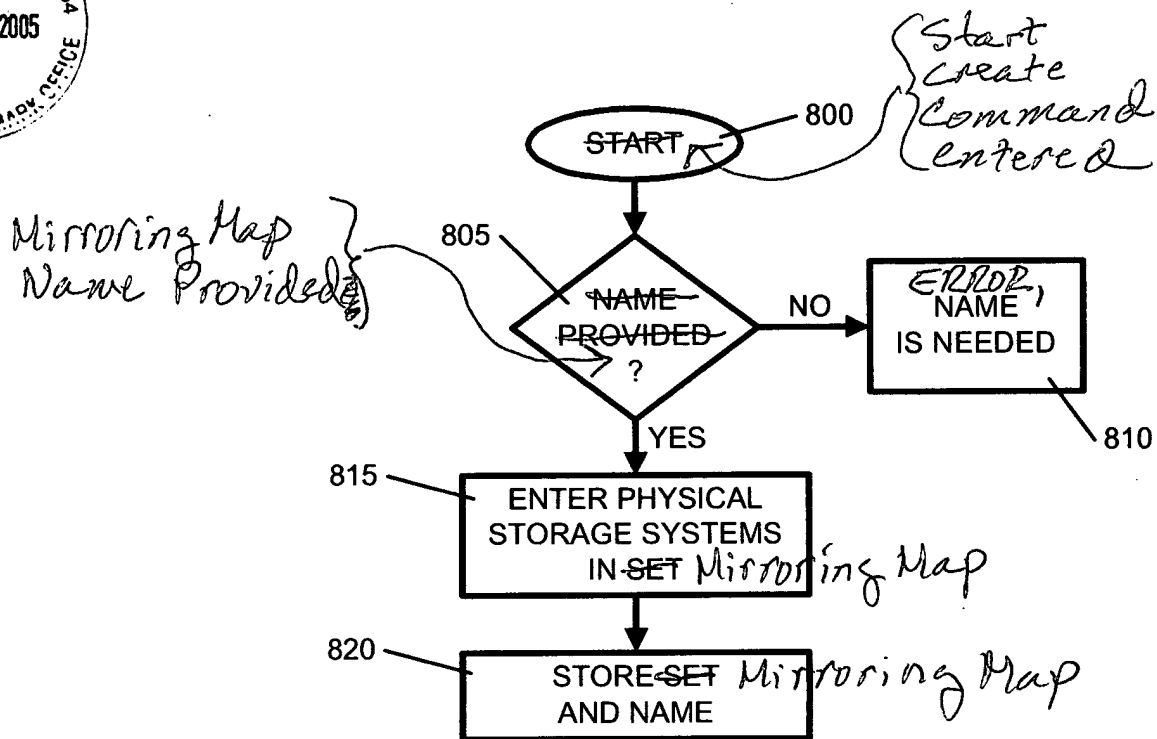


FIG. 8

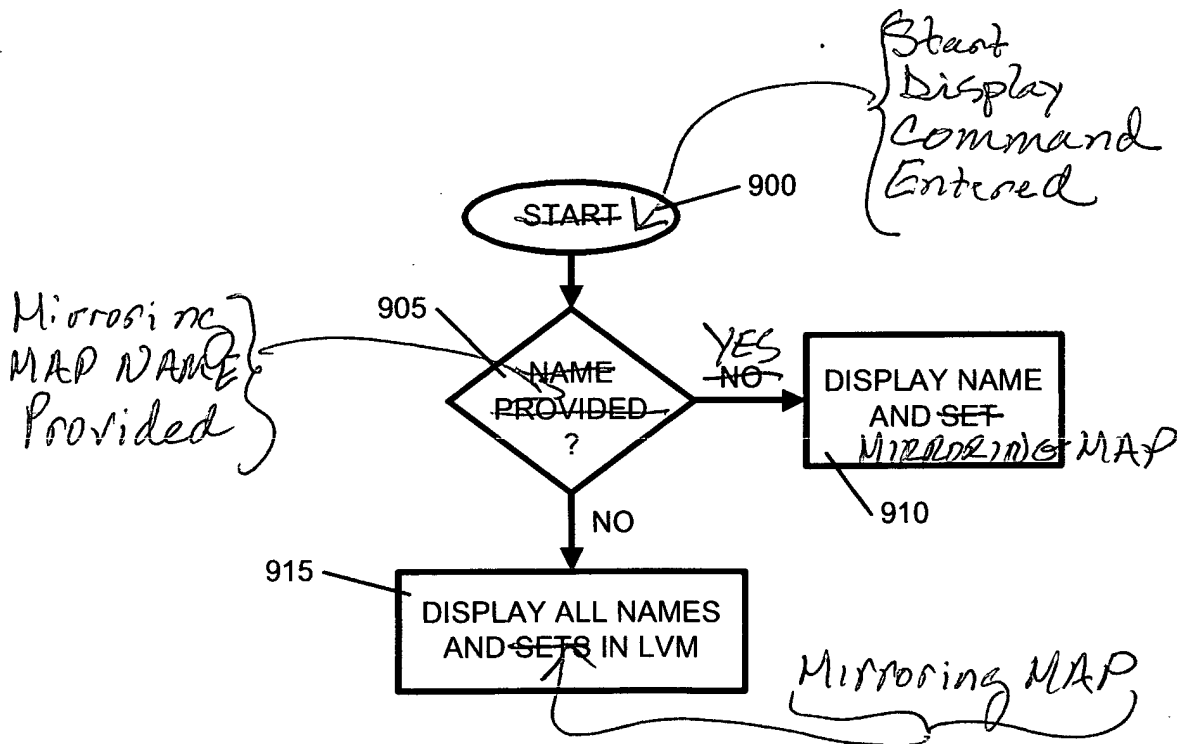


FIG. 9

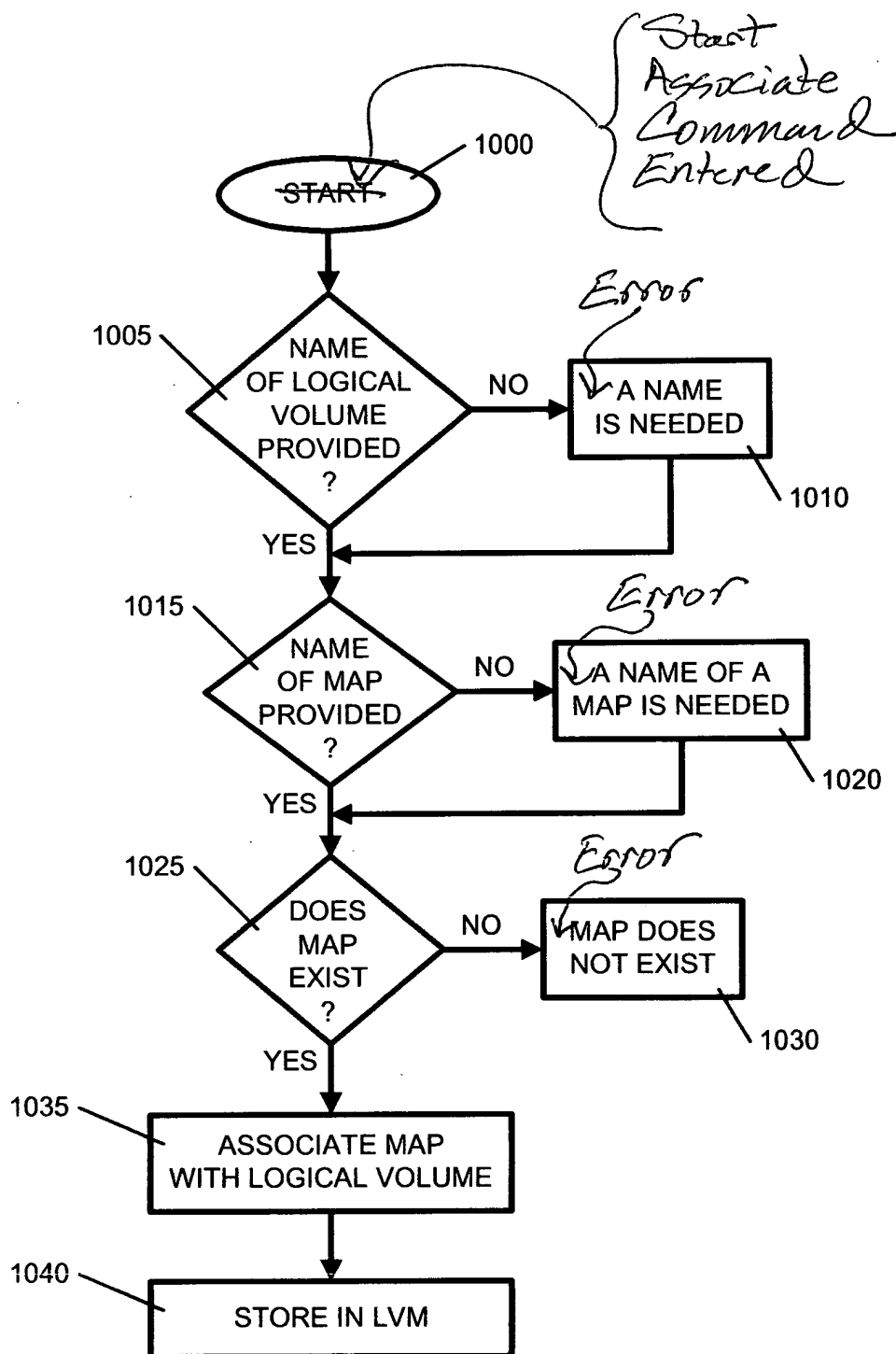


FIG. 10

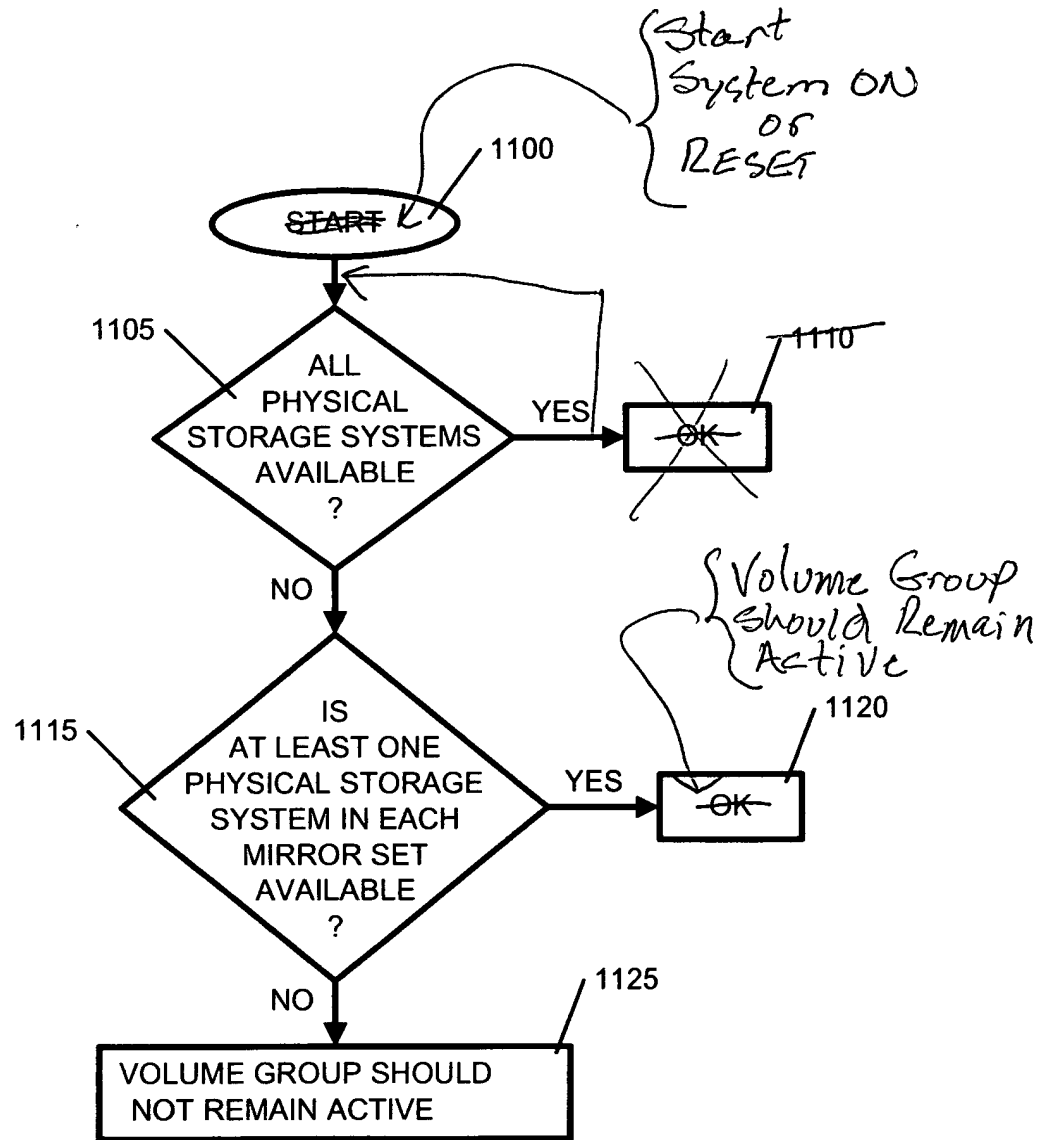


FIG. 11

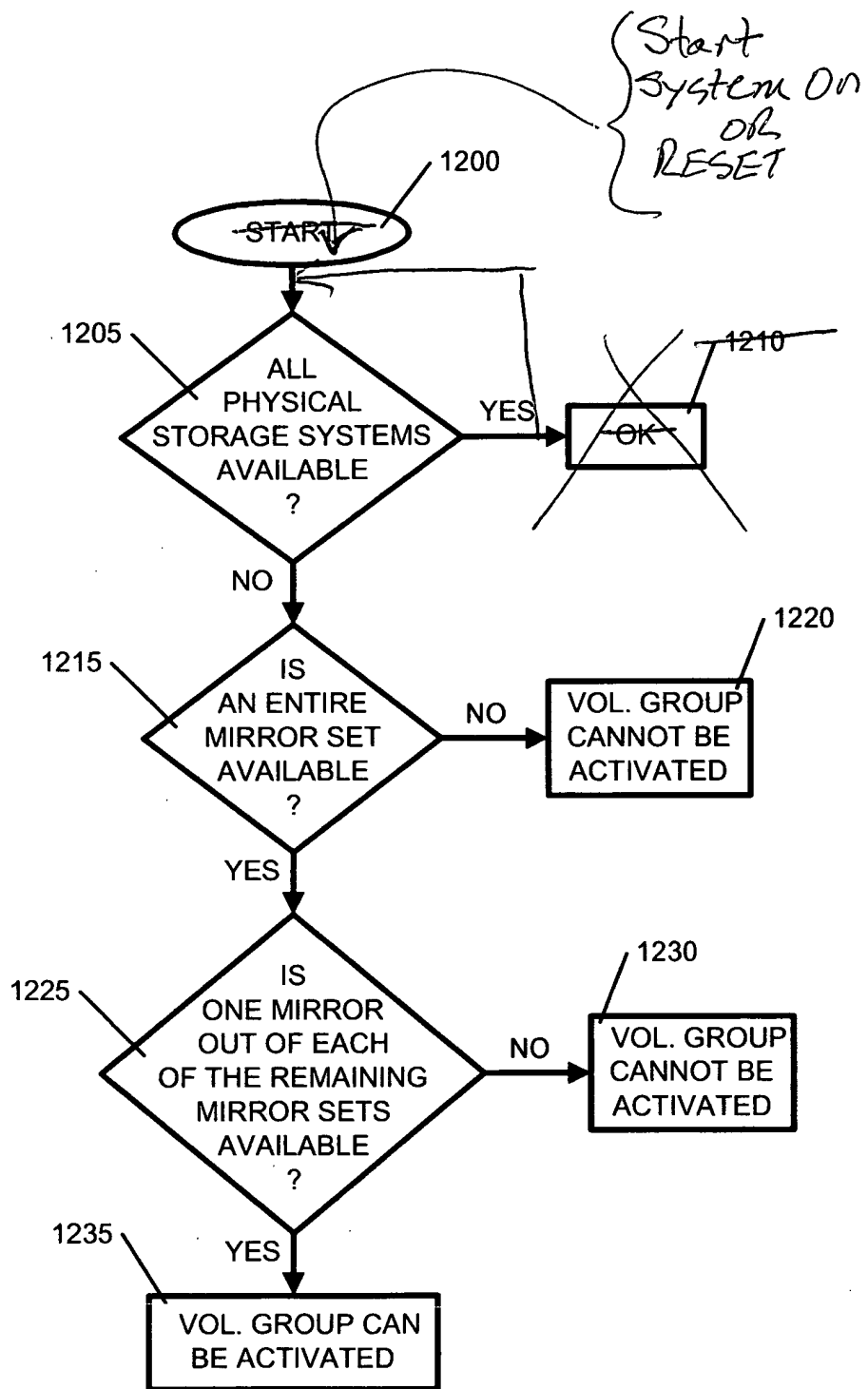


FIG. 12